### PATENT COOPERATION TREATY

## **PCT**

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 0000055142	FOR FURTHER ACTION	See Form PCT/IPEA/416					
International application No.	International filing date (day/month/year)	Priority date (day/month/year)					
PCT/EP2004/013993	09.12.2004	11.12.2003					
International Patent Classification (IPC) or na	tional classification and IPC						
C08G18/B6, C08J9/32							
Applicant BASF AKTIENGESELLSCHAFT							
	liminary examination report, established by this the applicant according to Article 36.	s International Preliminary Examining Authority					
2. This REPORT consists of a total of	sheets, include	ing this cover sheet.					
3. This report is also accompanied by	ANNEXES, comprising:						
a. (sent to the applicant an	d to the International Bureau) a total of	sheets, as follows:					
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental							
Box.							
b. (sent to the Internationa	l Bureau only) a total of (indicate type and numl	per of electronic carrier(s))					
		, containing a sequence listing and/or tables					
Section 802 of the Admini	•	lemental Box Relating to Sequence Listing (see					
4. This report contains indications rela	ting to the following items:						
Box No. I Basis of the	Box No. I Basis of the report						
Box No. II Priority							
Box No. III Non-estab	lishment of opinion with regard to novelty, inve	ntive step and industrial applicability					
Box No. IV Lack of u	nity of invention						
Box No. VI Certain do							
Box No. VII Certain de							
Box No. VIII Certain ob	Box No. VIII Certain observations on the international application						
Date of submission of the demand	Date of completion of	this report					
Name and mailing address of the IPEA/EP	Authorized officer						
Facsimile No.	Telephone No.						

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/013993

Box	No. I	Basis of the report				
1.		h regard to the <b>language</b> , this report is based on the internati cated under this item.	onal application in the language in which it was filed, unless otherwise			
		This report is based on translations from the original langum which is the language of a translation furnished for the pure international search (Rule 12.3 and 23.1(b))  publication of the international application (Rule 12.3 and 12.1 international preliminary examination (Rule 55.2 and 12.1 international	4)			
2.	rece	regard to the <b>elements</b> of the international application, this report is based on (replacement sheets which have been furnished to the ring Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to export):  the international application as originally filed/furnished the description:				
			as originally filed/furnished			
			received by this Authority on			
			received by this Authority on			
		the claims:				
		nos.				
			as amended (together with any statement) under Article 19			
		·	received by this Authority on/filed with the demand			
	$\Box$	nos.*	received by this Authority on			
	Ш	the drawings:				
		sheets	as originally filed/furnished			
		sheets*	received by this Authority on			
	$\Box$	sheets*	received by this Authority on			
	Ц	a sequence listing and/or any related table(s) – see Supplement	mental Box Relating to Sequence Listing.			
3.	Ш	The amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, nos.	the claims, nos.			
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
4.		This report has been established as if (some of) the amer they have been considered to go beyond the disclosure as	dments annexed to this report and listed below had not been made, since filed, as indicated in the Supplemental Box (Rule 70.2(c)).			
		the description, pages				
		the claims, nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to sequence listing (specify):				
*	If ite	em 4 applies, some or all of those sheets may be marked "su	perseded."			

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/013993

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Sta	tement				
	Novelty (N)	Claims	1-6	YES	
			_		
	Inventive step (IS)	Claims	1-6	YES	
	Industrial applicability	(IA) Claims	1-6	YES	
2. Cita	ations and explanations	(Rule 70.7)			
Z. Cit	•		rt makes reference to the following		
		locuments	-		
	G	locuments	•		
	D	1: WO	99/03922 A (BAYER		
			IENGESELLSCHAFT; GRIMM, WOLFGANG		
			T, UDO; VON SEGGERN, ELK) 28 January		
			9 (1999-01-28)		
	n		197 28 792 A1 (BAYER AG, 51373		
	D		ERKUSEN, DE) 7 January 1999 (1999-		
		01-			
	D		94/00504 A (MINNESOTA MINING AND		
	D		UFACTURING COMPANY) 6 January 1994		
			94-01-06)		
	D	•	A-5 621 043 (CROFT ET AL) 15 April		
	D		7 (1997-04-15)		
		199	(1997-04-13)		
2. Nove		ovelty			
	_, _,				
	The present application relates to an				
		_	pipe built from an inner pipe (i) to		
			adhered a layer of syntactic		
	p	olyureth	anes (ii) obtainable by reacting a		
	p	olyisocy	anate component (a) with a polyol		

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

component (b) in the presence of hollow microspheres (c). The polyol component (b) contains polyether polyol mixture (b) in a quantity of 5-60 percent by weight relative to the total weight of the polyol component (b) and oil based on a fatty acid (b2) in a quantity of 10-90 percent by weight relative to the total weight of the polyol component (b) (claim 1). Furthermore, the present application relates to the production of an offshore pipe (claim 6).

Documents D2-D4 do not relate to an offshore pipe. D1 discloses the use of the component (b2) in small quantities in the polyol components (see, for example, example 1: 100 percent by weight polyether, 1 percent by weight castor oil).

Consequently, the subject matter of claims 1- 6 of the present application is novel over D1-D4.

#### 3. Inventive step

D1 is regarded as the closest prior art.

D1 discloses the use of small quantities of the polyol component (b2) in the polyol component (b) for producing offshore pipes (see example 1, claim 6). Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The subject matter of the present application differs from the subject matter in D1 in that that polyol component (b2) is used in a quantity of 10-90 percent by weight relative to the total weight of the polyol component (b).

The problem to be solved by the present application was that of providing offshore pipes (see page 2, lines 1-6).

This problem was solved by using the polyol component (b2) in a quantity of 10-90 percent by weight relative to the total weight of the polyol component (b) (see claim 1).

This solution is not suggested in D1. It is not obvious from a combination of D1 and documents D2-D4, either, since these documents do not relate to offshore pipes.

Consequently, the subject matter of claims 1-6 of the present application involves an inventive step with respect to D1-D4.